



INFORMATION DISCLOSURE STATEMENT BY APPLICANT Sheet 1 of 4		Docket No. P8316-US-NP
Applicant:	Alexander T. Garthwaite	
Serial No:	10/679,559	
Filed:	October 6, 2003	
For:	CONCURRENT NON-INSTUSIVE PROCESSING OF A CARD TABLE SUMMARIZING MODIFIED REFERENCE LOCATIONS	
Examiner:	Not Yet Assigned James Golden	
Art Unit:	2848 2187	

U.S. PATENT DOCUMENTS					
Exam Inits	Cite No.	Patent Number	Kind Code	Patentee or Applicant Name	Issue Date
JG		20040003014	A1	NAGARAJAN, ET AL	01/01/04
JG		5,920,876	B1	UNGAR, ET AL.	07/06/99
JG		6,115,782	B1	WOLCZKO, ET AL.	09/05/00
JG		6,148,310	B1	AZAGURY, ET AL.	11/14/00
JG		6,173,294	B1	AZAGURY, ET AL.	01/09/01
JG		6,185,581	B1	GARTHWAITE	02/06/01
JG		6,226,653	B1	ALPERN, ET AL.	05/01/01
JG		6,243,720	B1	MUNTER, ET AL	06/05/01
JG		6,308,185	B1	GRARUP, ET AL.	10/23/01
JG		6,363,403	B1	ROY, ET AL.	03/26/02
JG		6,381,738	B1	CHOI, ET AL.	04/30/02
JG		6,424,977	B1	GARTHWAITE	07/23/02
JG		6,453,466	B1	EIDT, ET AL.	09/17/02
JG		6,457,019	B1	SEXTON, ET AL.	09/24/02
JG		6,490,599	B1	KOLODNER, ET AL.	12/03/02
JG		6,826,757	B1	STEELE, ET AL.	11/30/04
JG		6,845,437	B1	BORMAN, ET AL.	01/25/05
JG		6,868,488	B1	GARTHWAITE	03/15/05

FOREIGN PATENT DOCUMENTS							
Exam Inits	Cite No.	Cy	Number	Kind Code	Patentee or Applicant Name	Publication Date	T
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Examiner Signature	/James Golden/	Date Considered	05/16/2006
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Examiner:	Not Yet Assigned James Golden	
Art Unit:	2818 2187	

OTHER PRIOR ART – NON PATENT LITERATURE AND DOCUMENTS			
Exam Inits	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the articles (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
JG		APPEL, "Simple Generational Garbage Collection and Fast Allocation", Software Practice and Experience, 19(2), 1989, 171-183	<input type="checkbox"/>
JG		APPEL, ET AL., "Real-Time Concurrent Collection on Stock Multiprocessors", ACM SIGPLAN Notices, 1988	<input type="checkbox"/>
JG		BACON, ET AL., "Java without the Coffee Breaks: A nonintrusive Multiprocessor Garbage Collector", SIGPLAN Conference on Programming Language Design and Implementation, June 2001, Snowbird, UT	<input type="checkbox"/>
JG		BAKER, "List Processing in Real Time on a Serial Computer", Communications of the ACM 21, April 1978, 280-294	<input type="checkbox"/>
JG		BROOKS, "Trading Data Space for Reduced Time and Code Space in Real-Time Garbage Collection on Stock Hardware", Proceedings of the 1984 Acm Symposium on Lisp and Funcional Programming, August 1984, 108-113, Austin, TX	<input type="checkbox"/>
JG		CHILIMBI, ET AL., "Using Generational Garbage Collection to Implement Cache-Conscious Data Placement", International Symposium on Memory Management, October 1998	<input type="checkbox"/>
JG		CLARK, ET AL., "Compacting Garbage Collection can be Fast and Simple", Software-Practice and Experience, Vol. 26, No. 2, February 1996, 177-194	<input type="checkbox"/>
JG		COURTS, "Improving Locality of Reference in a Garbage-Collecting Memory Management System", Communications of the ACM, Vol. 31, No. 9, September 1988, 1128-1138	<input type="checkbox"/>
JG		HERLIHY, ET AL., "Lock-Free Garbage Collection for Multiprocessors", ACM SPAA, 1991, 229-236	<input type="checkbox"/>

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT Sheet 3 of 4		Docket No. P8316-US-NP
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Examiner:	Not Yet Assigned James Golden	
Art Unit:	2818 2887	

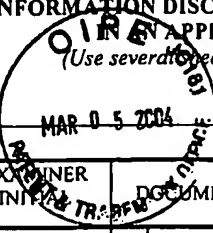
OTHER PRIOR ART – NON PATENT LITERATURE AND DOCUMENTS			
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JG		HOLZLE, URS, "A Fast Write Barrier for Generational Garbage Collectors", Workshop on Garbage Collection in Object Oriented Systems, October 1993	<input type="checkbox"/>
JG		HOSKING, ET AL., "Remembered Sets Can Also Play Cards", OOPSLA/ECOOP Workshop on Garbage Collection in Object-Oriented Systems, October 1993	<input type="checkbox"/>
JG		HOSKING, ET AL., "Protection Traps and Alternatives for Memory Management of an Object-Oriented Language", Object Systems Laboratory, December 1993, 1-14, Dept. of Comp. Sci., Amherst, MA	<input type="checkbox"/>
JG		HUDSON, ET AL., "Adaptive Garbage Collection for Modula-3 and Small Talk", OOPSLA.ECOOP '90 Workshop on Garbage Collection in Object-Oriented Systems, October 27, 1990	<input type="checkbox"/>
JG		HUDSON, ET AL., "Sapphire: Copying GC Without Stopping the World", Java Grande/ISCOPE, 2001	<input type="checkbox"/>
JG		JONES AND LINS, "Garbage Collection: Algorithms for Automatic Dynamic Memory Management", 1996, 165-179, John Wiley and Sons, NY	<input type="checkbox"/>
JG		LIEBERMAN, ET AL., "A Real-Time Garbage Collector Based on the Lifetimes of Objects", Communications of the ACM, 1983, 26(6)	<input type="checkbox"/>
JG		MOON, "Garbage Collection in a Large Lisp System", Conference Record of the 1984 ACM Symposium on LISP and Functional Programming, August 1984, 235-246, Austin, TX	<input type="checkbox"/>
JG		NETTLES, SCOTT, "Real-Time Replication Garbage Collection", Avionics Lab, Wright Research and Development Center, 1993, PDDI	<input type="checkbox"/>

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Art Unit:	2818 2147	

OTHER PRIOR ART – NON PATENT LITERATURE AND DOCUMENTS			
Exam Inits	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the articles (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
JG		SOBALVARRO, "A Lifetime-based Garbage Collector for LISP Systems on General-Purpose Computers", Department of Electrical Engineering and Computer Science at MIT, September 1988, AITR-1417	<input type="checkbox"/>
JG		STAMOS, "Static Grouping of Small Objects to Enhance Performance of a Paged Virtual Memory", ACM Transactions on Computer Systems, Vol. 2, No. 2, May 1984, 155-180	<input type="checkbox"/>
JG		UNGAR, "Generation Scavenging: A Non-Disruptive High Performance Storage Reclamation Algorithm", ACM SIGPLAN Notices, April 1984, 19(5)	<input type="checkbox"/>
JG		WITHINGTON, P.T., "How Real is "Real-Time" GC?", Symbolics, Inc., October 6, 1991, Burlington, MA	<input type="checkbox"/>
JG		ZORN, BENJAMIN, "Barrier Methods for Garbage Collection", Dept. of Computer Science, Uni. of Colorado, November 1990, 1-37, Boulder	<input type="checkbox"/>
JG		HOSKING, ET AL., "A Comparative Performance Evaluation of Write Barrier Implementations", OOPSLA; ACM Conference on Object-Oriented Systems, Languages and Applications, October 1992, V. 27(10), ACM Press, Vancouver, Canada	<input type="checkbox"/>
JG		LAM, ET AL., "Object Type Directed Garbage Collection to Improve Locality", Proceedings of the International Workshop on Memory Management, September 1992, 404-425, St. Malo, France	<input type="checkbox"/>
JG		PIRINEN, PEKKA, "Barrier Techniques for Incremental Tracing", Harlequin Limited, Date Unknown, 20-25, Cambridge, Great Britain	<input type="checkbox"/>
JG		WILSON, ET AL., "Effective Static-Graph Reorganization to Improve Locality in Garbage Collected Systems", Proceedings of ACM SIGPLAN Conference on Programming Language Design and Implementation, June 1991, Canada	<input type="checkbox"/>
JG		DETLEFS, ET AL., "Concurrent Remembered Set Refinement in Generational Garbage Collection", Proceedings of the USENIX Java VM '02 Conference, August 1-2, 2002, 14 pages, San Francisco, CA, USA.	<input type="checkbox"/>

Examiner Signature	/James Golden/	Date Considered	05/16/2006
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Form PTO-1449 INFORMATION DISCLOSURE CITATION APPLICATION <i>(Use several sheets if necessary)</i>		Docket Number (Optional) SMY-087.01		Application Number 10/679,559		
<div style="text-align: center;">  </div>		Applicant Garthwaite, Alexander T.				
		Filing Date October 6, 2003		Group Art Unit 2818-2187		
U.S. PATENT DOCUMENTS						
EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES NO
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages Etc.)</i>						
JG	AA	Steffen Grarup and Jacob Seligmann, "Incremental Mature Garbage Collection", M.Sc. Thesis, Aarhus University, Computer Science Department, August 1993				
JG	AB	Richard L. Hudson and J. Eliot B. Moss, "Incremental Collection of Mature Objects", Proceedings of the International Workshop on Memory Management 1992, Springer-Verlag.				
JG	AC	Jacob Seligmann & Steffen Grarup, "Incremental Mature Garbage Collection Using The Train Algorithm", European Conference on Object-Oriented Programming 1995 Proceedings				
JG	AD	Paul Wilson, "Uniprocessor Garbage Collection Techniques", International Workshop on Memory Management, Springer-Verlag, 1992				
EXAMINER		/James Golden/			DATE CONSIDERED 05/16/2006	
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						

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